

Electronic Supplementary Information (ESI) for
Synthesis and Optical Properties of Novel D- π -A- π -D Type Cationic
Cyclopentadienyliron Complexes of Arenes

B. D. Zhao, G. L. Li, Y. Z. Shi, H. Q. Zhang, T. Wang*

*Corresponding author. E-mail: wangtwj2000@163.com. Tel.: 0086-010-64445350.

Contents:

Fig. S1 ^1H NMR spectrum of CFS-M	2
Fig. S2 ^1H NMR spectrum of CFS-T	3
Fig. S3 ^1H NMR spectrum of CFS-D	4
Fig. S4 ^{13}C NMR spectrum of CFS-M	5
Fig. S5 ^{13}C NMR spectrum of CFS-T	6
Fig. S6 ^{13}C NMR spectrum of CFS-D	7
Fig. S7 IR spectrum of CFS-M	8
Fig. S8 IR spectrum of CFS-T	9
Fig. S9 IR spectrum of CFS-D	10
Fig. S10 MS spectrum of CFS-M	11
Fig. S11 MS spectrum of CFS-T	12
Fig. S12 MS spectrum of CFS-D	13

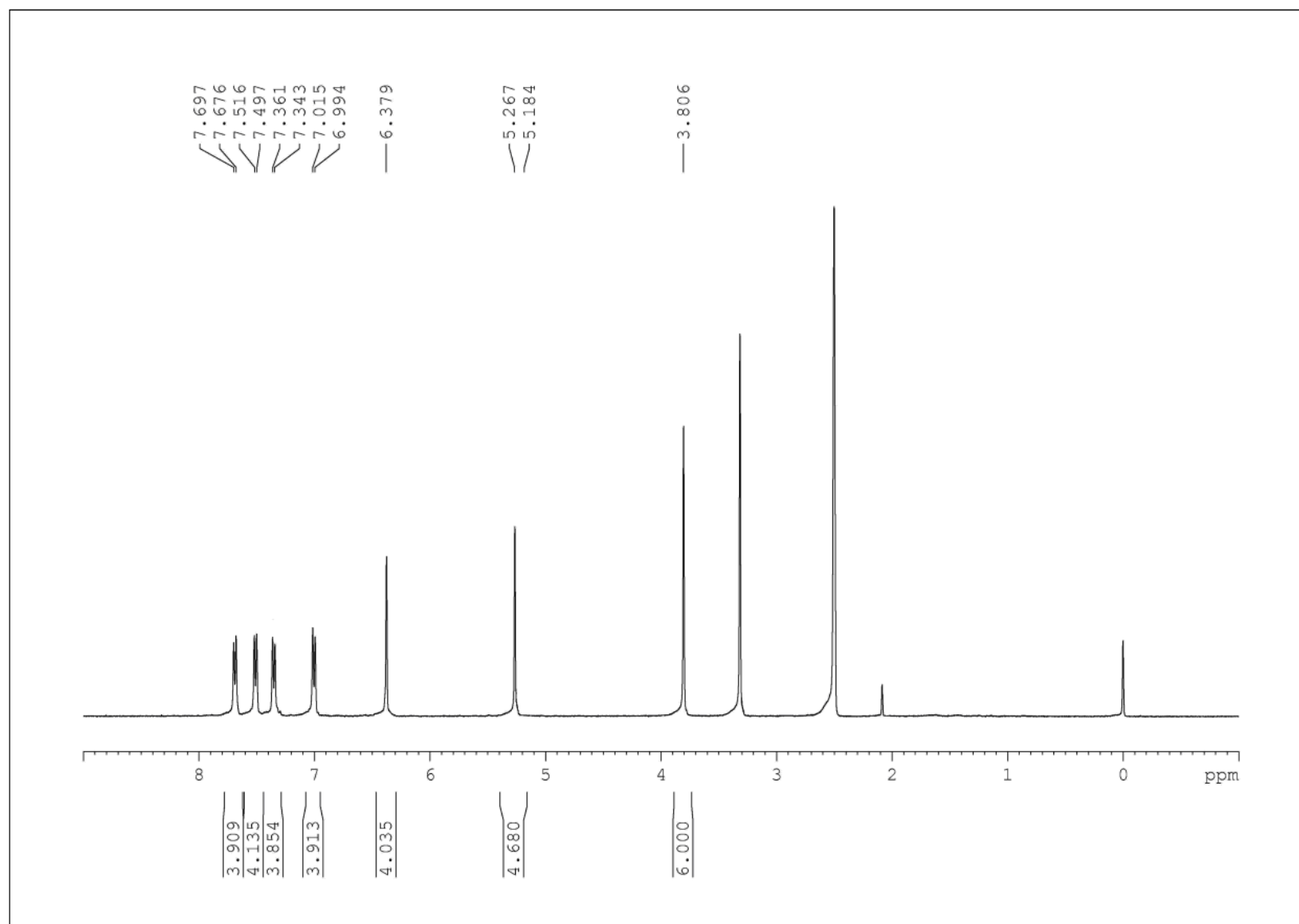


Fig. S1 ¹H NMR spectrum of CFS-M (DMSO-*d*₆ as the solvent) .

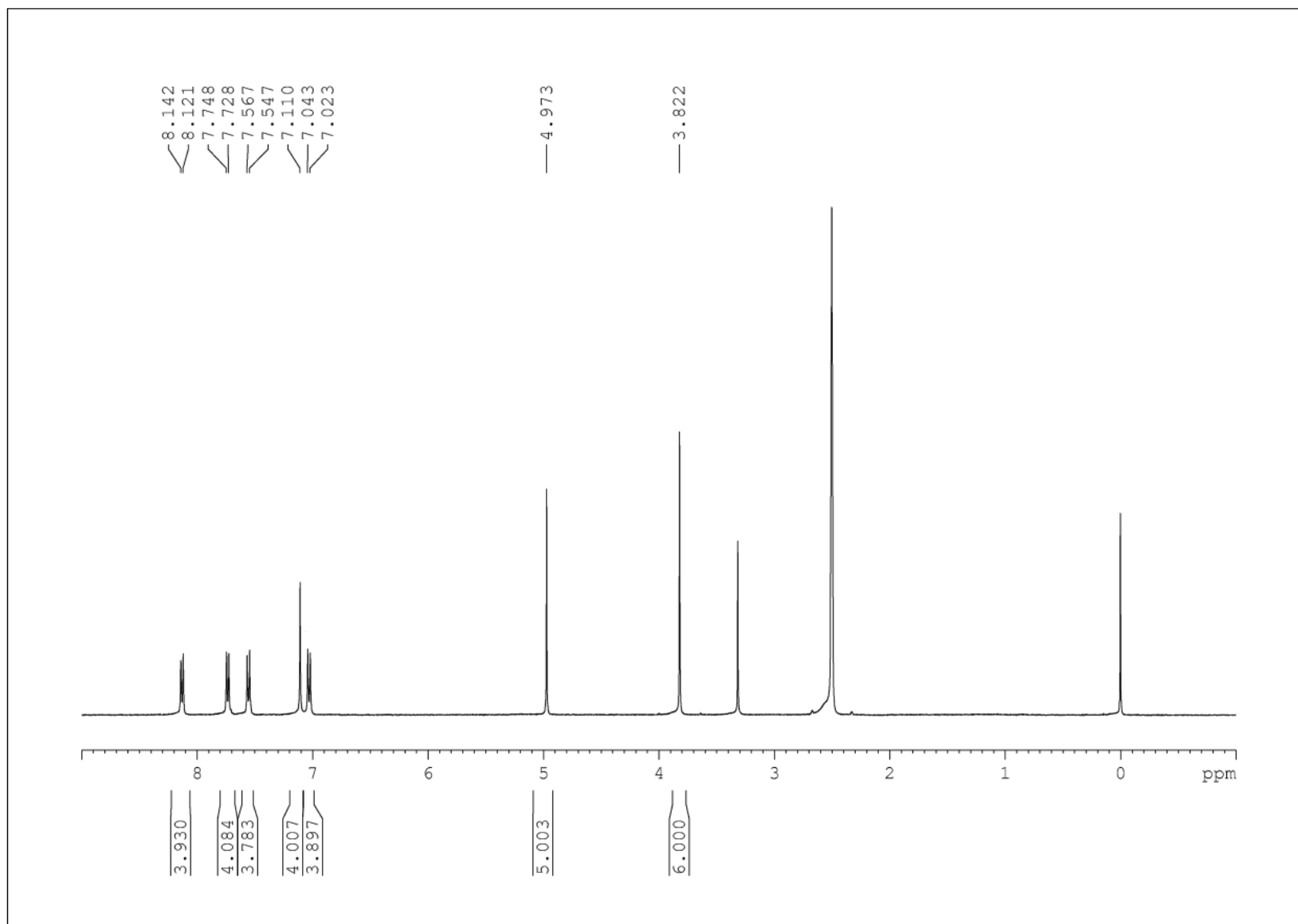


Fig. S2 ¹H NMR spectrum of CFS-T (DMSO-*d*₆ as the solvent) .

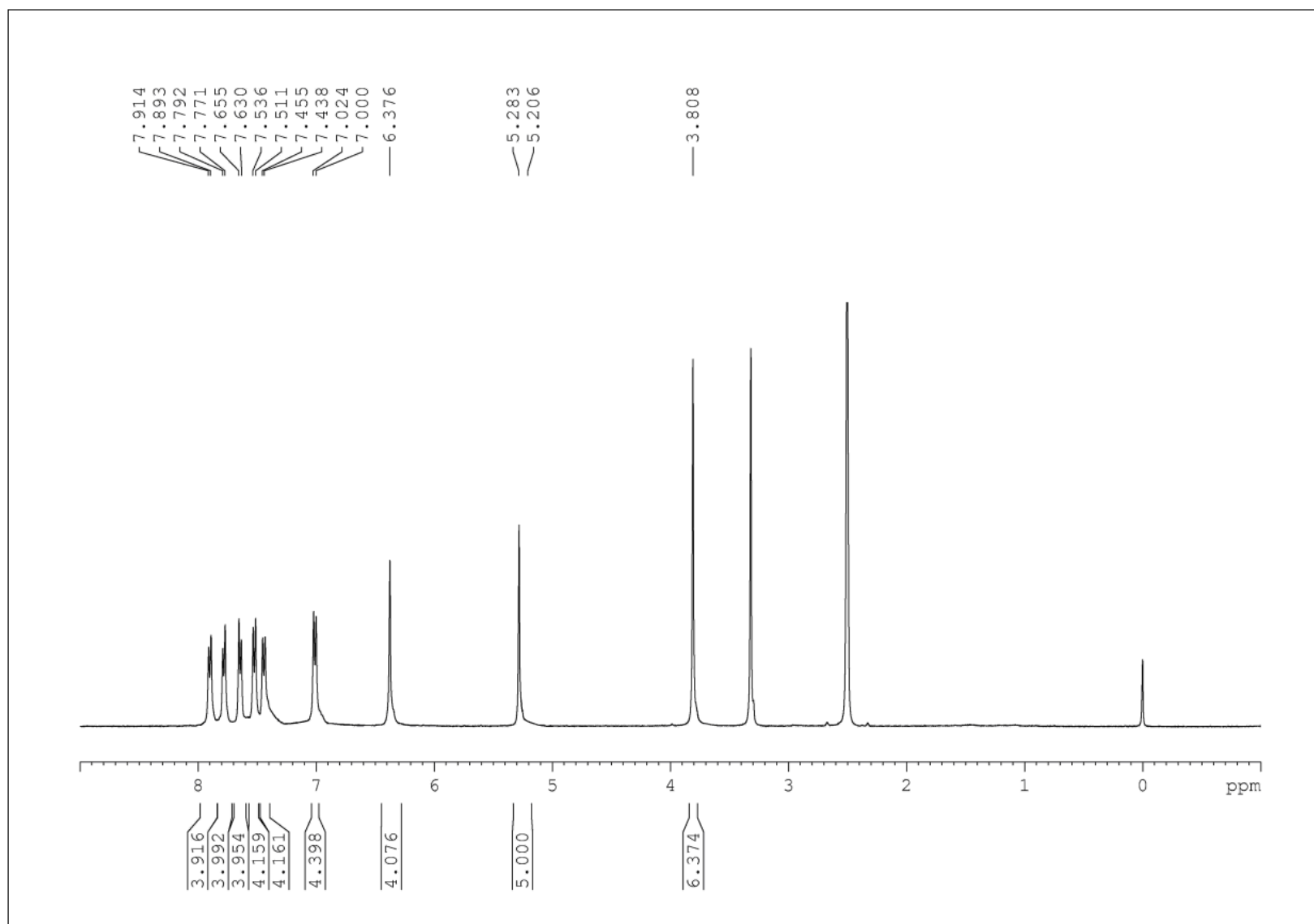


Fig. S3 ¹H NMR spectrum of **CFS-D** (DMSO-*d*₆ as the solvent) .

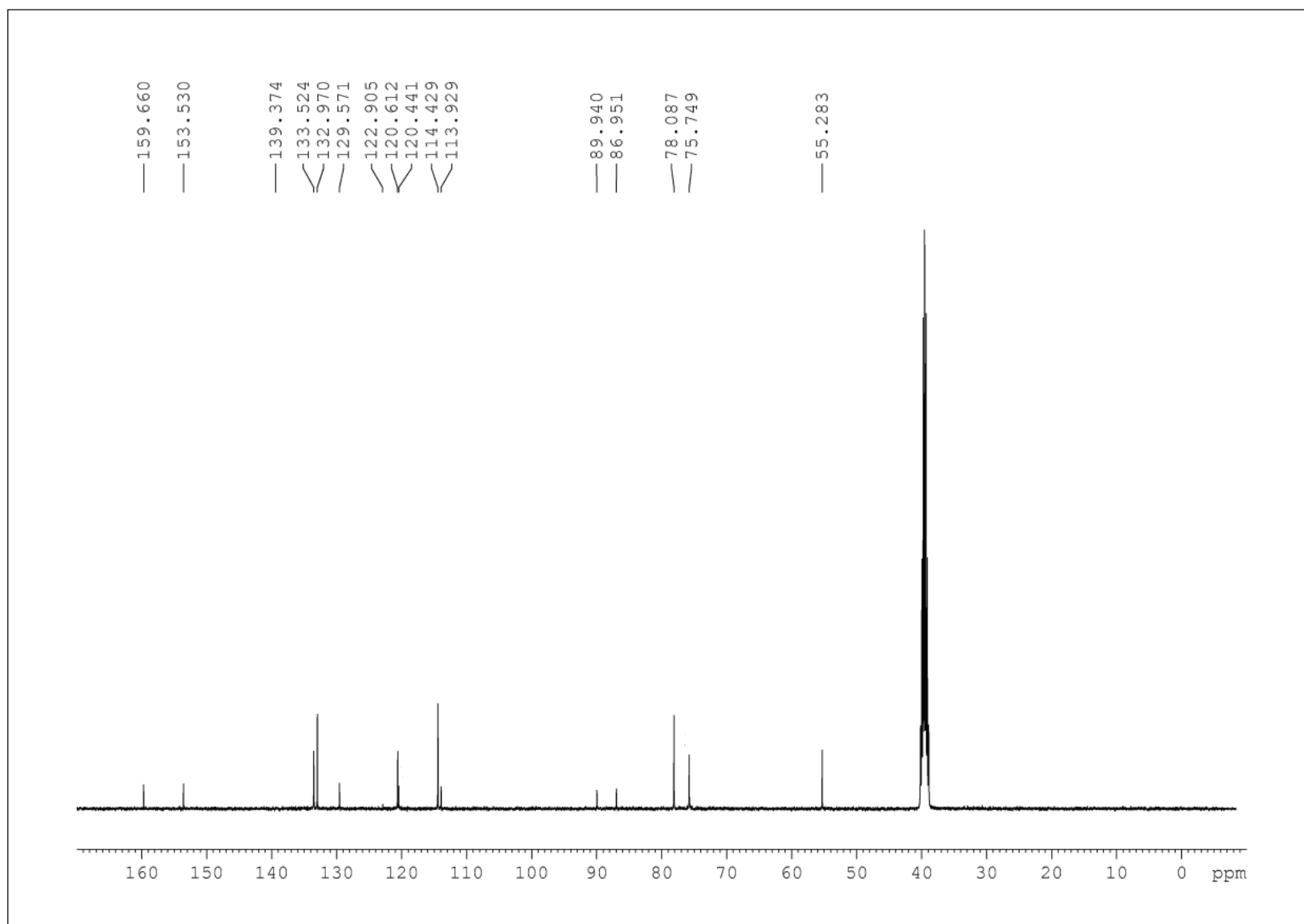


Fig. S4 ^{13}C NMR spectrum of **CFS-M** ($\text{DMSO-}d_6$ as the solvent) .

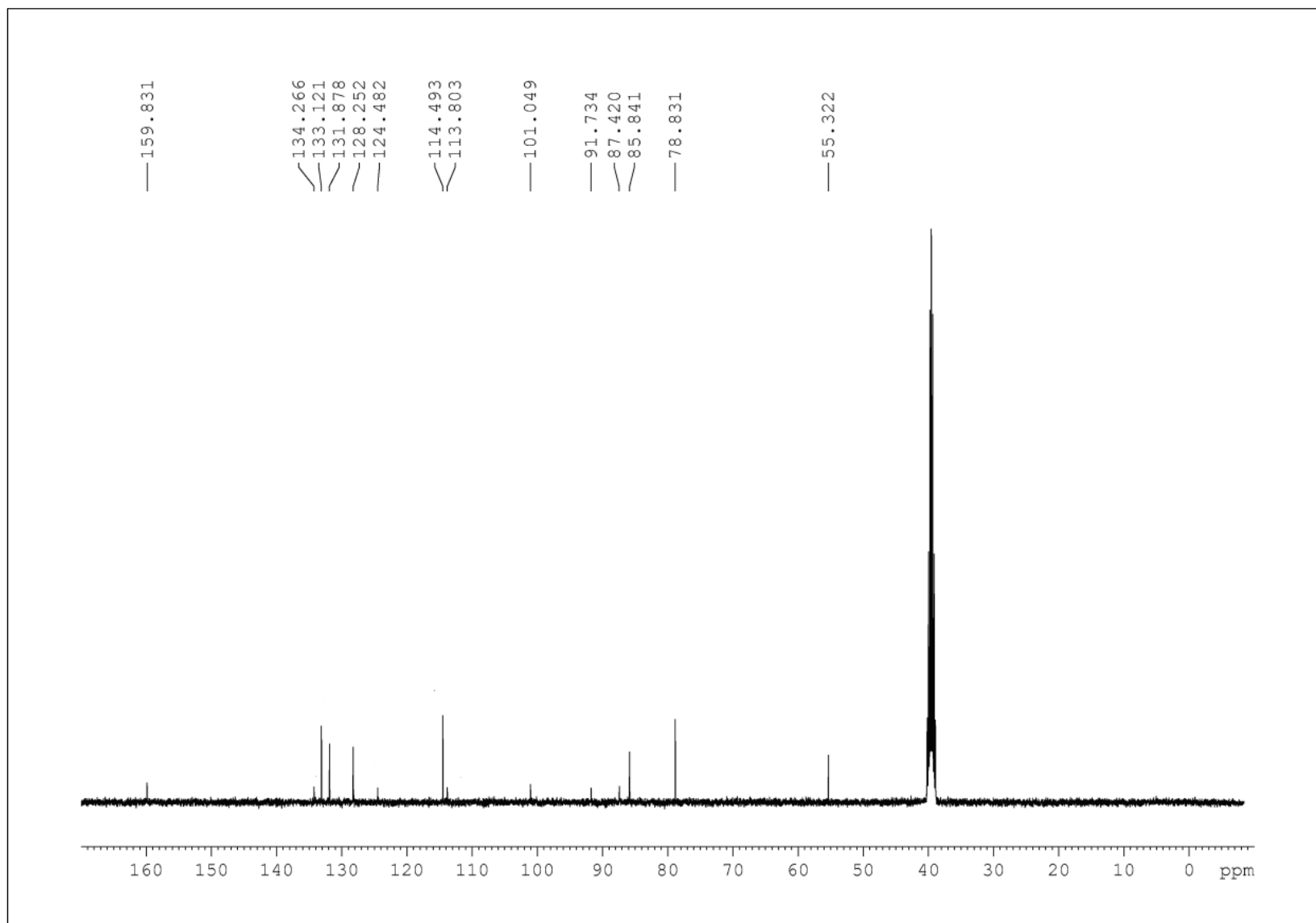


Fig. S5 ¹³C NMR spectrum of CFS-T (DMSO-*d*₆ as the solvent) .

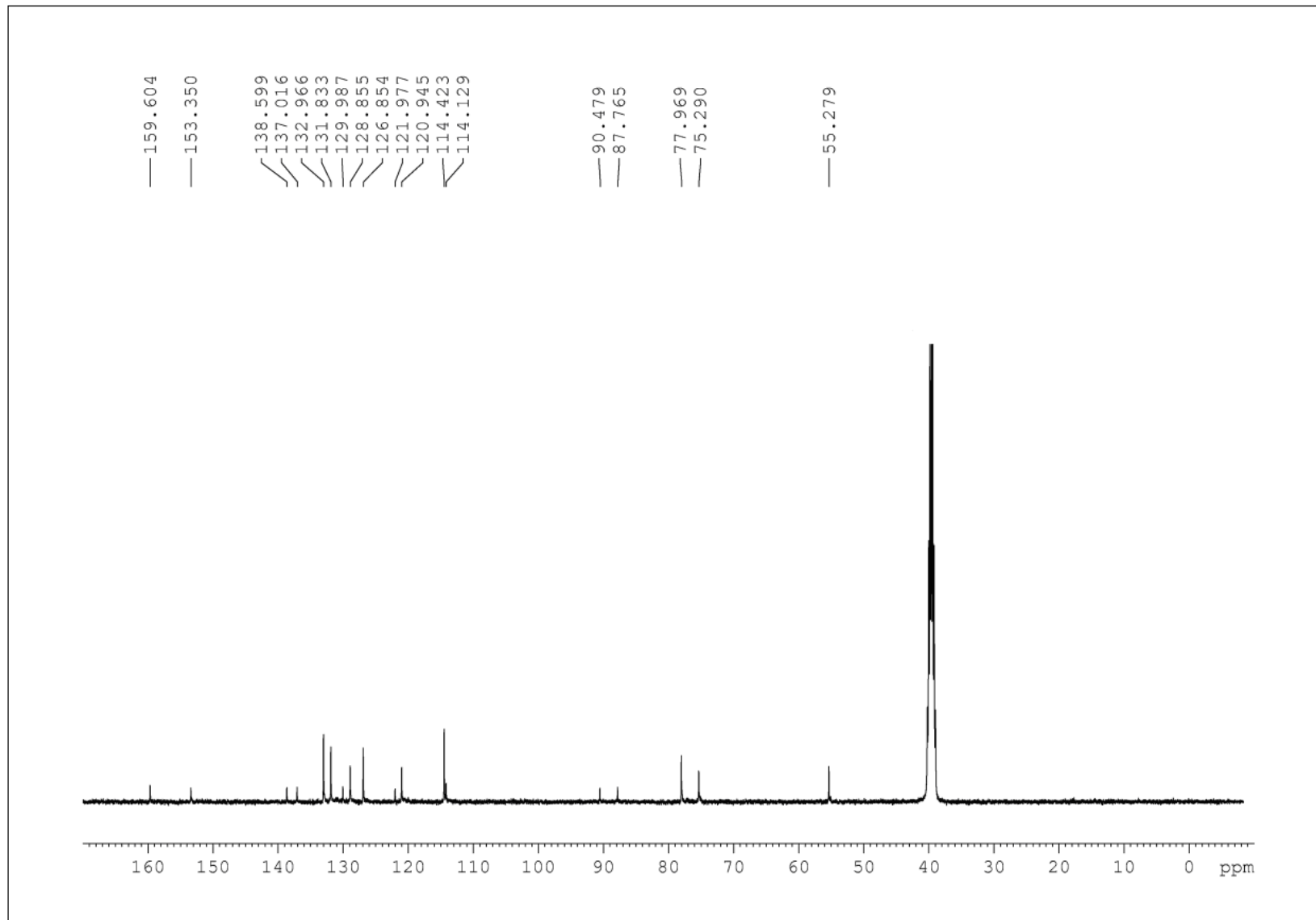


Fig. S6 ^{13}C NMR spectrum of **CFS-D** ($\text{DMSO-}d_6$ as the solvent) .

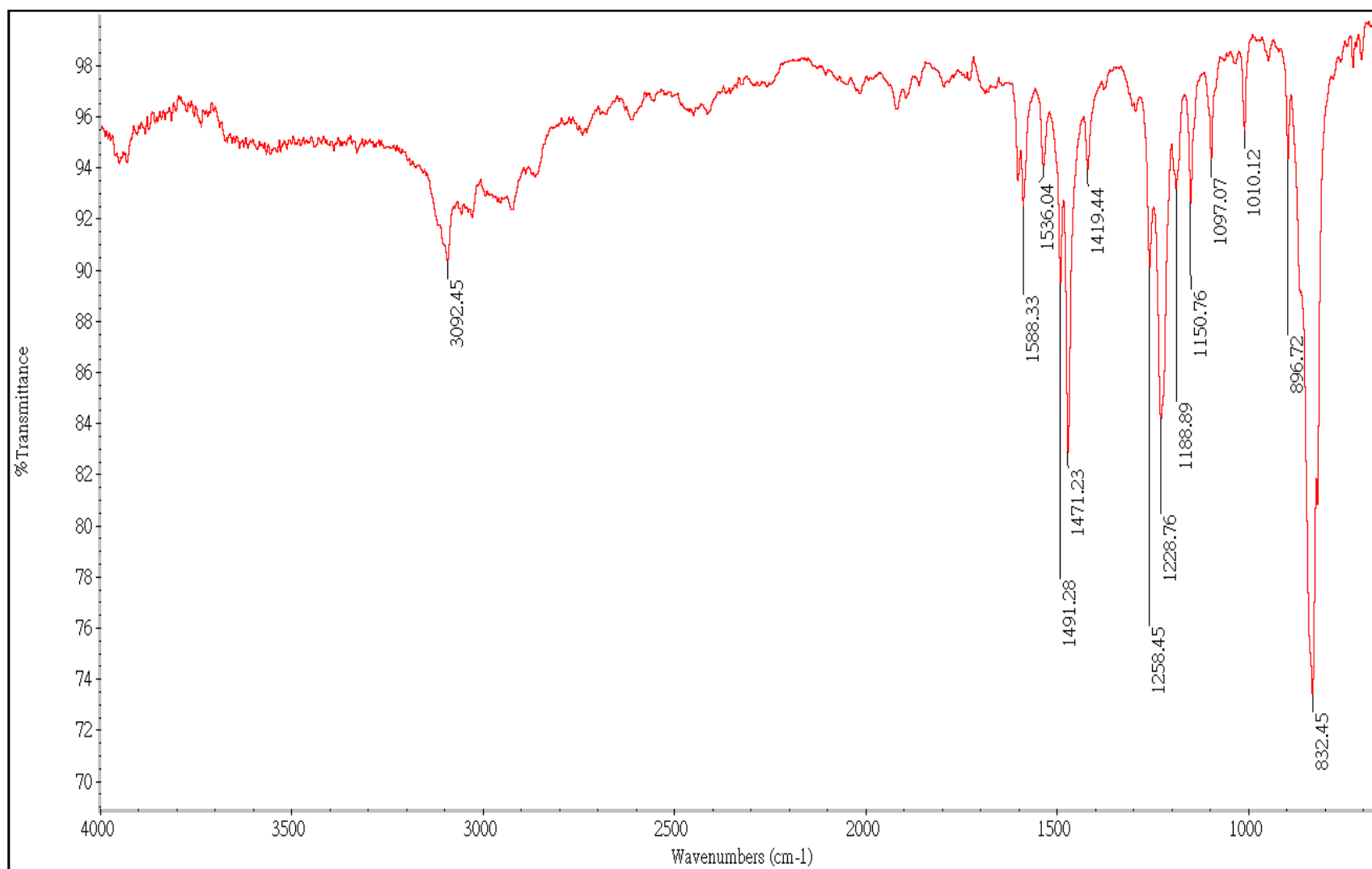


Fig. S7 IR spectrum of **CFS-M**.

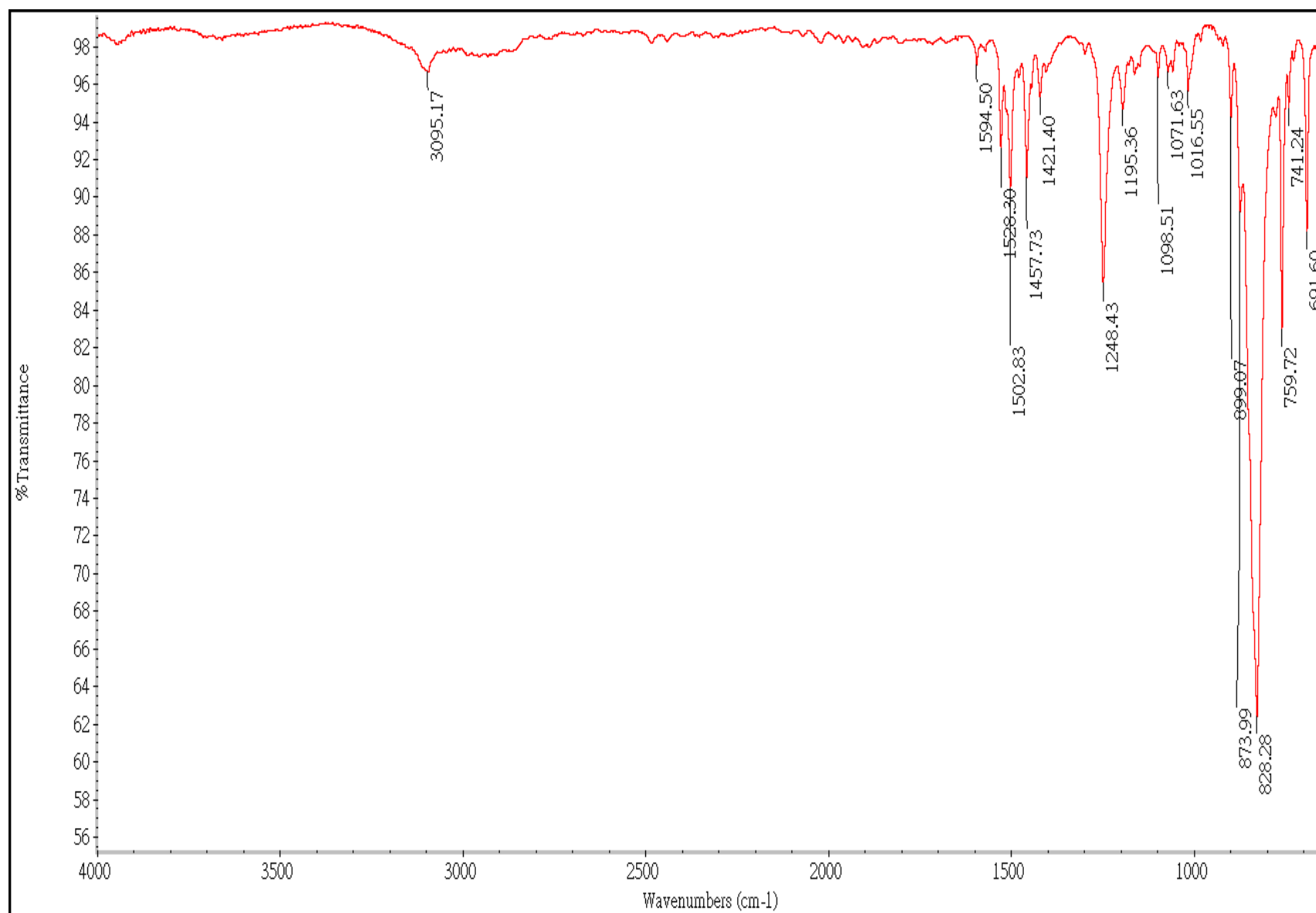


Fig. S8 IR spectrum of CFS-T.

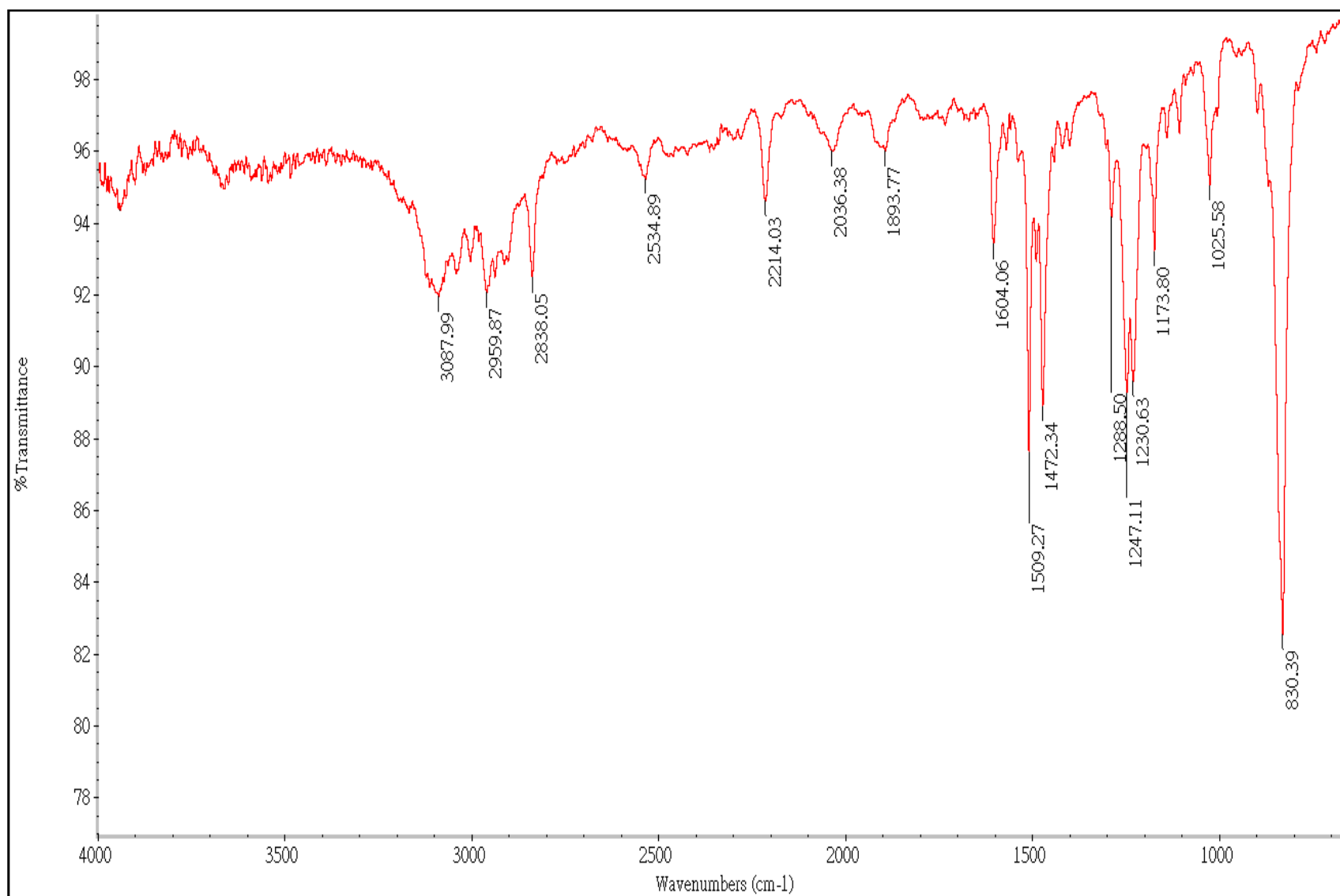


Fig. S9 IR spectrum of **CFS-D**.

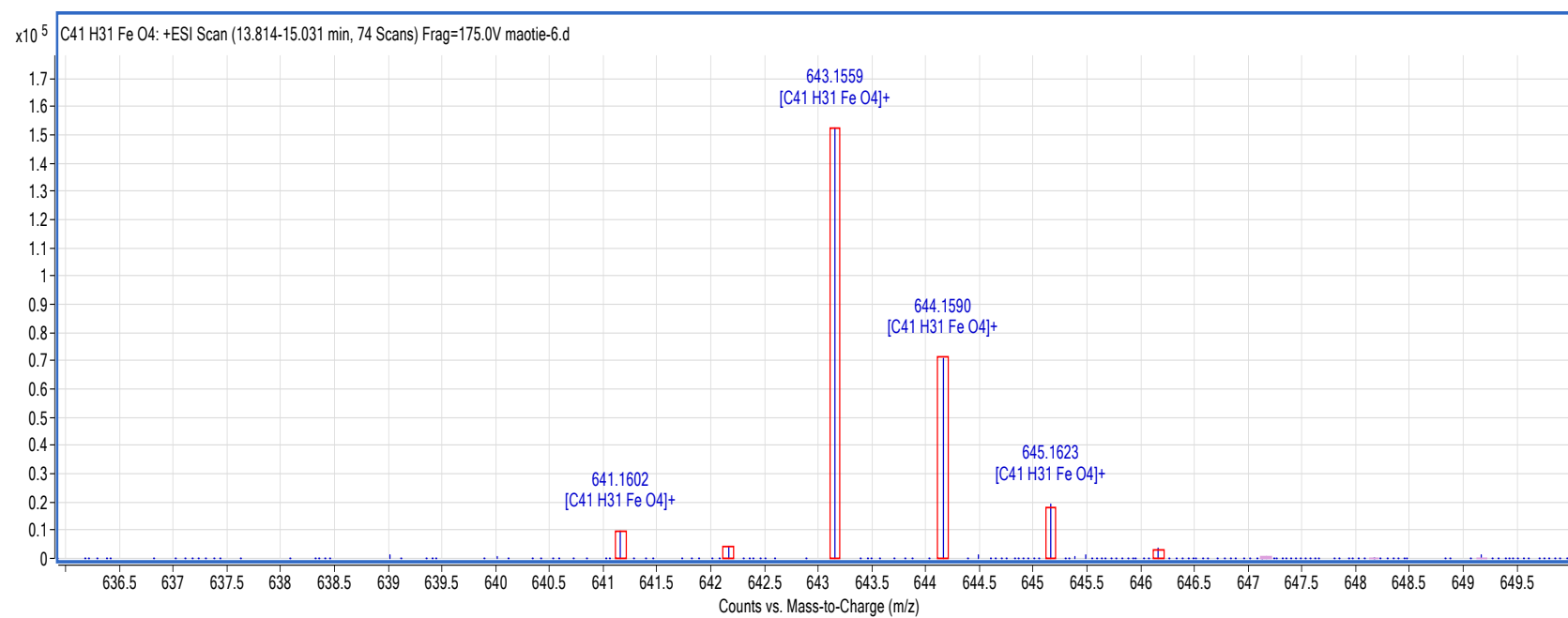


Fig. S10 MS spectrum of **CFS-M**.

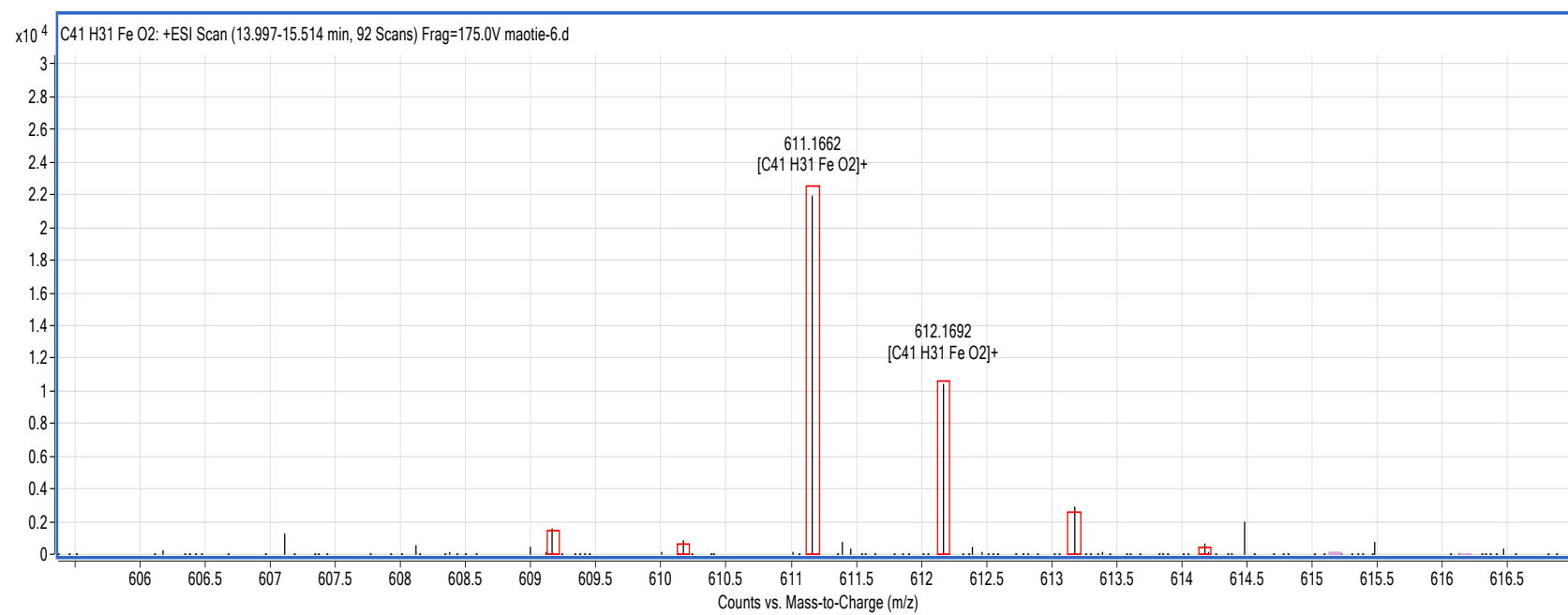


Fig. S11 MS spectrum of **CFS-T**.

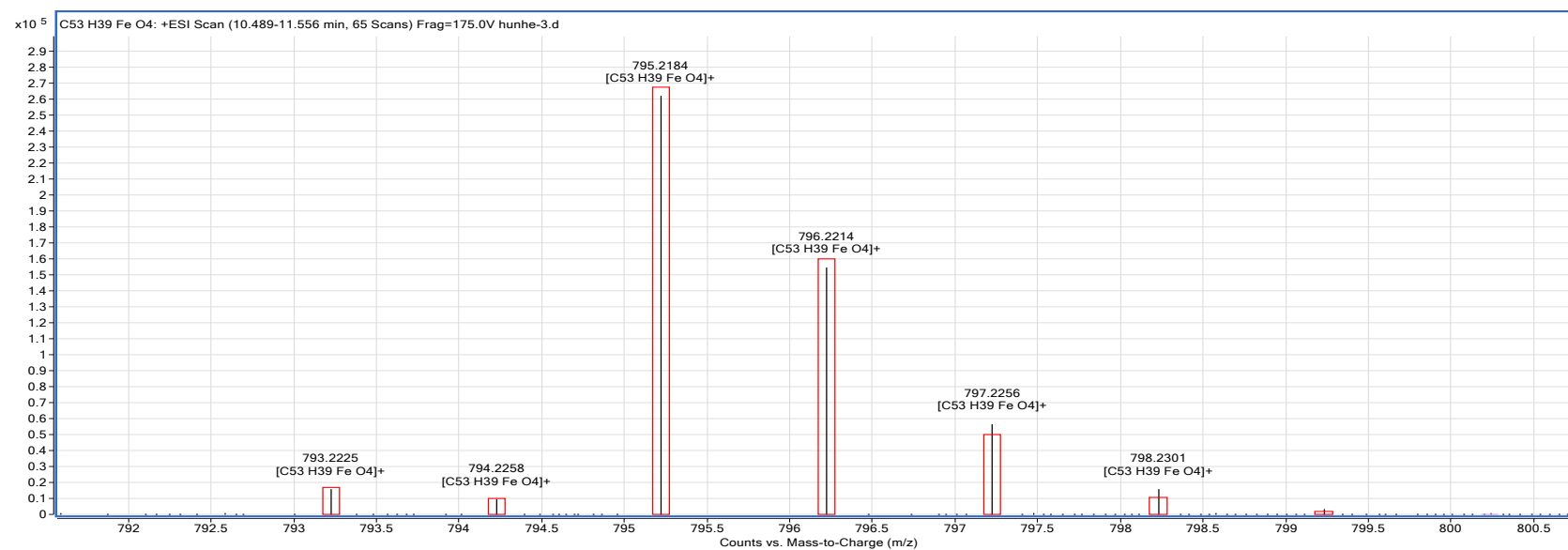


Fig. S12 MS spectrum of CFS-D.